Main Injector Orbit Smoothing Application (PA1666, I50) - Idea #11837

Smoothing at profile timer 0 not as easy as it used to be

02/26/2016 03:14 PM - Kyle Hazelwood

Status:	New		**Start date:**	02/26/2016
Priority:	Normal		**Due date:**	
Assignee:	Kyle Hazelwood		**% Done:**	0%
Category:			**Estimated time:**	4.00 hours
Target version:			**Spent time:**	0.00 hour

Description

Currently our profile timer 0 is smack in the middle of collimation. So if anyone where to sample the blms at profile timer 0 time the orbit would differ greatly from the desire 8 GeV file orbit. Smoothing on this would undo the collimation bump because the collimation bump is a time bump and the smoothing program updates the momentum bump. The simple solution for now is to not sample the blms at profile timer 0 but rather select a display frame timer before the collimation bump to smooth to. There should be some way for the client to help avoid undoing the collimation bump.